

System Life Cycle Support (SLCS)

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Presented to PDES, Inc. Technical Advisory Committee

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Report Documentation Page

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SLCS Accomplishments in 2006-2007



- Completed Phase 1 of the Humvee data exchange pilot with AM General using PDM Schema 2006
- Completed Phase 2 of the Humvee data exchange pilot using PLCS – Aug 2007
 - Subset of data included PDM structure, CAD, & logistics records
 - Interfaced with SAP PLM at AM General
 - Data integration using Eurostep's Share-A-Space
 - Developed network/system architecture for data exchange
 - Testing and demonstrations in process
 - Completed Bradley FV data exchange pilot with BAE Systems using PDM Schema
 - Translators currently being tested (CMSTAT and Windchill)
 - Final report in work



SLCS Objective, Scope, and Participants



Objective

 Develop a STEP-based System Lifecycle Management and Support solution

Scope

- Integrate product data from engineering and logistics databases using FALCON (Federated Army Lifecycle CO llaborative eNterprise)
 - Integrate lifecycle product data across Army and OEM systems
 - » Federate product data across heterogeneous systems
 - Provide multiple views of single source of true product data
 - Improve enterprise search and view capability for product data
 - Track multiple configurations across lifecycle of weapon system
 - Provide for long-term retention of PLM data

Planned Participants

U.S. ArmyEurostep

SAP, MSC Software, SCRA

NIST

- PTC

IBM

Others

SLCS FALCON STEP-Based Architecture

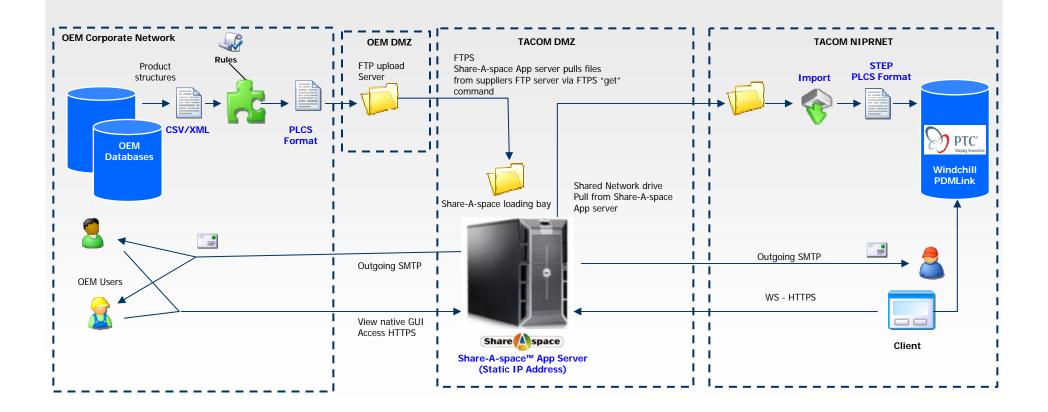




Federation enables data storage where appropriate and enterprise usage where needed

SLCS FALCON – Federated Data Environment between OEM and Army

PDES, Inc.®



Schedule and Effort



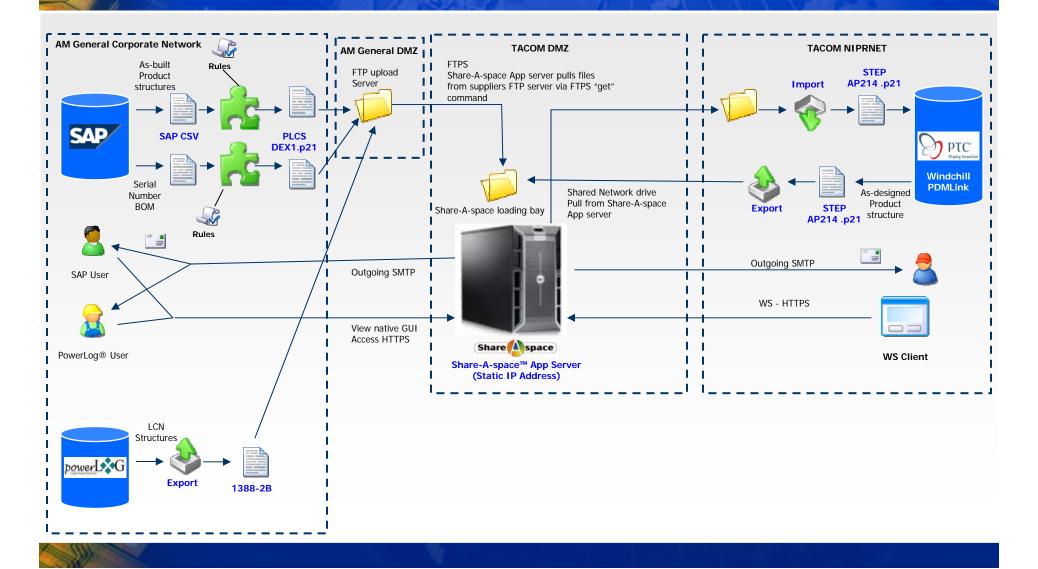
Schedule

| | Task | Expected Completion Date | Deliverable |
|----------|--|--------------------------|---|
| 10/0/1 | Develop federated architecture for lifecycle data management | Jun 2008 | Report of architecture developed |
| 300 | PDM and logistics data exchange implementation on Humvee | Jun 2008 | Report on implementation and results |
| 4 | Integration with Service Oriented Architecture environment | Aug 2008 | Report on integration methodology and results |
| | Integration with simulation data environment | Dec 2008 | Report on integration methodology and results |
| 6/1 | Integration with requirements management | Dec 2008 | Report on integration methodology and results |
| | Integration with Condition Based Maintenance | Jun 2009 | Report on integration methodology and results |
| The Book | Document lifecycle data processes and best practices | Aug 2009 | Final report on business processes |

Estimated Effort- 2 FTEs

PLCS based Humvee Lifecycle Data Exchange





SLCS Plans for Next Six Months



- Complete Bradley FV data exchange project and submit final report (past due)
- Complete Humvee/PLCS project and submit final report (Jan 2008)
- DoD Accreditation for Share-A-Space for production deployment (on systems such as JLTV)
- Modify existing contracts with AM General to incorporate new data delivery method
- Several new contracts are being written with Model Based Definition requirements and STEP for lifecycle product data

scs Issues and Concerns



Issues to Address

- Need PTC resource (Erik Rieger) to complete Windchill import translator bugs (Bradley FV) proposed to work remotely in Sept.
- ITAR issues relating to data used for testing by Eurostep – used older M1097 model data
- Logistics Analysis Record for HMMWV outdated and had errors being fixed by AM General

Concerns

None

